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	Application No.	Applicant(s)	
AL	10/716,497	TAKAHASHI ET AL.	
Notice of Allowability	Examiner	Art Unit	-
	Ida M. Soward	2822	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in a por other appropriate community or other appropriate community and the second state of the second secon	this application. If not included nication will be mailed in due of	d ourse. THIS
1. This communication is responsive to the election filed Apri	<u>I 15, 2005</u> .		
2. ☑ The allowed claim(s) is/are <u>1-10</u> .			
3. \boxtimes The drawings filed on <u>20 November 2003</u> are accepted by	the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	e been received. e been received in Application	No	on from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which give	MENT of this application. itted. Note the attached EXAM	MINER'S AMENDMENT or NC	
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review	(PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	,		
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or i	n the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			oack) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			ote the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Info	rmal Patent Application (PTO-	152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🗌 Interview Sur	nmary (PTO-413),	·
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 11-20-03	08), 7. ⊠ Examiner's A	lail Datemendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit		tatement of Reasons for Allow	rance
of Biological Material	9.	ALTRICA MAN	AINFR 800

Application/Control Number: 10/716,497

Art Unit: 2822

DETAILED ACTION

This Office Action is in response to the election filed April 15, 2005.

Election/Restrictions

Applicant's election without traverse of claims 1-10 in the reply filed on April 15, 2005 is acknowledged.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: claims 11-12, non-elected without traverse, have been canceled and "boby" has been changed to body in line 8 of claim 1.

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Allowable Subject Matter

Claims 1-10 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record does not disclose, make obvious, or otherwise suggest the structure of the applicant's together with the other limitations of the independent claims, such as a well region formed by introducing an impurity of a second conductive type into part of the SiC body other than the body portion; a channel layer which is formed so as to extend over the well region and the body portion of the SiC body in the SiC body and contains an impurity of the first conductive type; and a partially heavily doped layer of the second conductive type into part of the SiC body located under the channel layer at a higher concentration than that in the well region. The dependent claims being further limiting and definite are also allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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The following patents are cited to further show the state of the art with respect to SiC-MISFET devices:

Hisada et al. (US 2003/0073270 A1) Kumar et al. (US 2002/0167011 A1)

Kumar et al. (US 6,551,865 B2) Kumar et al. (US 6,573,534 B1)

Okuno et al. (US 6,455,892 B1) Ryu et al. (US 6,653,659 B2)

Sridevan (US 6,552,363 B2).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ida M. Soward whose telephone number is 571-272-1845. The examiner can normally be reached on Monday - Thursday 6:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on 571-272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMS May 1, 2005